

Converting Colors

$Yxy(32.5889, 0.2937, 0.4621)$

Have a look what the booklet for
Yxy(32.5889, 0.2937, 0.4621)
contains.

Yxy(32.6011, 0.2936, 0.4619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.6011, 0.2936, 0.4619)

Conversions

Conversions Part 1

Format	Color
Hex	52AD64
RGB	82, 173, 100
RGB Percent	32%, 68%, 39%
CMY	0.6785, 0.3215, 0.6078
CMYK	0.53, 0.00, 0.42, 0.32
HSL	132°, 36%, 50%
HSV	132°, 53%, 68%
XYZ	20.7224, 32.6011, 17.2569
YIQ	137.4690, -30.8030, -41.9950

Conversions

Conversions Part 2

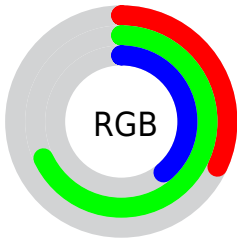
Format	Color
RYB	82, 158, 173
Decimal	5418340
CIELab	63.84, -43.19, 29.42
CIELCh	64, 52.255, 145.742
Yxy	32.6011, 0.2936, 0.4619
Android (android.graphics.Color)	4283608420 (0xFF52AD64)
YUV	137.4690, -18.4722, -48.6463
Hunter-Lab	57.0974, -35.1372, 22.0486

Details

The Yxy color **32.6011, 0.2936, 0.4619** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.2833, 0.3424, 0.2262**, and the grayscale version is **25.2825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7089, 0.2993, 0.4318**, and **13.8000, 0.2815, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **31.6762, 0.2917, 0.4917**, and if you desaturate by 10%, it is **33.7700, 0.2964, 0.4324**.

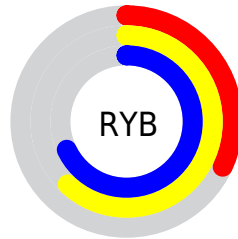
Distribution



Red (32%)

Green (68%)

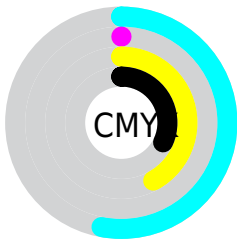
Blue (39%)



Red (32%)

Yellow (62%)

Blue (68%)

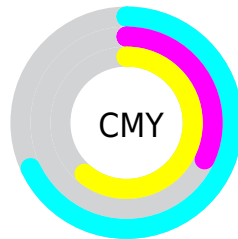


Cyan (53%)

Magenta (0%)

Yellow (42%)

Black (32%)



Cyan (68%)


Magenta (32%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6011, 0.2936, 0.4619 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.6011, 0.2936, 0.4619 by changing the saturation by 10% instead.


 32.6011, 0.2936,
0.4619


 32.6011, 0.2936,
0.4619


313.8484, 0.3064,
0.3869

 21.8210, 0.2889,
0.4838


 63.7522, 0.2992,
0.4324


 13.7255, 0.2818,
0.5138


 84.8921, 0.3011,
0.4220

 7.9300, 0.2701,
0.5573


 110.2540, 0.3025,
0.4135

 4.0502, 0.2491,
0.6249

 140.2224, 0.3036,
0.4064

 1.7017, 0.1909,
0.8091

175.1817, 0.3045,
0.4004

 0.4247, 0.0000,
1.0000

215.5162, 0.3053,

 0.0000, 0.0000,

0.3953

0.0000

261.6103, 0.3059,
0.3908

■ 32.6011, 0.2936,
0.4619

■ 32.6011, 0.2936,
0.4619

■ 31.6762, 0.2917,
0.4917

■ 33.7700, 0.2964,
0.4324

■ 30.9738, 0.2908,
0.5203

■ 35.1945, 0.2999,
0.4043

■ 30.4758, 0.2913,
0.5461

■ 36.8900, 0.3037,
0.3783

■ 30.1587, 0.2929,
0.5673

■ 38.8699, 0.3077,
0.3549

■ 30.0061, 0.2944,
0.5797

■ 41.1465, 0.3117,
0.3340

■ 43.7313, 0.3156,
0.3157

■ 46.6354, 0.3193,
0.2997

■ 49.8692, 0.3229,
0.2858

■ 53.4426, 0.3262,
0.2737

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.6011, 0.3715, 0.4797



32.6011, 0.2936, 0.4619



32.6011, 0.2251, 0.3876

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.6011, 0.2936, 0.4619



32.6011, 0.1925, 0.2096



32.6011, 0.4607, 0.3300

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.6011, 0.2936, 0.4619



17.2833, 0.3424, 0.2262

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.6011, 0.3992, 0.2751



32.6011, 0.2936, 0.4619



32.6011, 0.2407, 0.2091

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.6011, 0.2936, 0.4619



32.6011, 0.1733, 0.2383



32.6011, 0.3150, 0.2325



32.6011, 0.4735, 0.3895

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.6011, 0.2936, 0.4619



32.6011, 0.1938, 0.3276



32.6011, 0.3150, 0.2325



32.6011, 0.4449, 0.3109

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.6025, 0.2936, 0.4619



68.2485, 0.3062, 0.3632



37.5978, 0.3711, 0.4614



14.6788, 0.3054, 0.3678



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.6025, 0.2936, 0.4619



56.5148, 0.2915, 0.4961



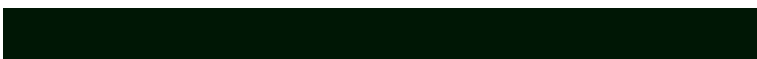
33.7015, 0.2640, 0.3791



8.9643, 0.3090, 0.3477



22.0492, 0.2939, 0.5781



0.6208, 0.2790, 0.5243

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.2833, 0.3424, 0.2262



26.1066, 0.3510, 0.2084



16.0606, 0.4124, 0.2866



8.1205, 0.3166, 0.3110



7.8992, 0.3773, 0.1852



0.2266, 0.3574, 0.1742

Previews

White Background



This preview shows how the Yxy color 32.6011, 0.2936, 0.4619 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.6011, 0.2936, 0.4619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

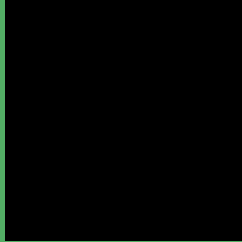
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6011, 0.2936, 0.4619

Background



This preview shows how black text looks on a background with the Yxy color 32.6011, 0.2936, 0.4619.



This preview shows how white text looks on a background with the Yxy color 32.6011, 0.2936, 0.4619.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.6011, 0.2936, 0.4619

Protanopia

32.2263, 0.3859, 0.4190

Deuteranopia

31.9753, 0.3941, 0.3870



Tritanopia

32.4919, 0.2518, 0.3079

Trichromacy



Original Color

32.6011, 0.2936, 0.4619

Protanomaly

31.6526, 0.3464, 0.4355

Deuteranomaly

30.8874, 0.3508, 0.4129

Tritanomaly

32.1870, 0.2668, 0.3599

Monochromacy



Original Color

32.6011, 0.2936, 0.4619

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.0498, 0.3036, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6011, 0.2936, 0.4619 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(82, 173, 100)` looks like.

```
.text, #text, p{  
    color:rgb(82, 173, 100)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(82, 173, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 173, 100) }
```

Border

The CSS property to change the border of an element to Yxy 32.6011, 0.2936, 0.4619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(82, 173, 100) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(82, 173, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(82, 173, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 173, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 173, 100);  
box-shadow:4px 4px 4px 4px rgb(82, 173,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6011, 0.2936, 0.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 173, 100) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(82, 173,  
100) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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